



FEMA



Prepared by
Nikki Hathaway

FEMA Region 6 Weather Threat Briefing

Wednesday, October 10, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



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Wednesday - Thursday

- **No Significant Weather Impacts Expected.**

Friday - Sunday

- **Areas of heavy rain/flash flooding possible for southern NM late Friday expanding into W TX, TX Panhandle, N TX, OK, NW AR on Saturday. Lingering threat possible for AR on Sunday.**
- **Isolated strong to severe thunderstorms will be possible over W TX on Friday.**

River Flood Status

- **Moderate to major river flooding is ongoing or forecast along the Nueces and Frio Rivers in South TX with minor to moderate flooding for portions of OK into north TX.**
 - **Impacts are primarily to livestock, agriculture, roads, and recreation camps.**

Tropical Outlook

- **Hurricane Michael will make landfall today along the northeastern Gulf Coast and move northeastward across the southeast U.S. No impacts to FEMA 6.**
- **Hurricane Leslie in the Central Atlantic and Tropical Storm Nadine in the Eastern Atlantic will have no impacts to FEMA 6.**
- **An area of low pressure is expected to develop over the west-central Caribbean Sea in a few days. Some gradual development is expected over the weekend into early next week while the system moves slowly westward. Impacts to FEMA 6 unlikely.**
- **Sergio in the Eastern Pacific is forecast to move across southern NM into W TX by this weekend ... this may lead to some areas of heavy rain/flash flooding.**

FEMA Region 6 Threat Matrix

Oct 10, 2018 – Oct 14, 2018



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DAY / THREAT	WED	THU	FRI	SAT	SUN
Severe Storms			WTX		
Heavy Rain / Flash Flooding			Southern NM (Late)	SE NM / WTX / TX Panhandle / NTX OK / NW AR	AR
Fire Weather					
Tropical Weather					
River Flooding	STX OK / NTX	STX OK / N TX	STX	STX	STX

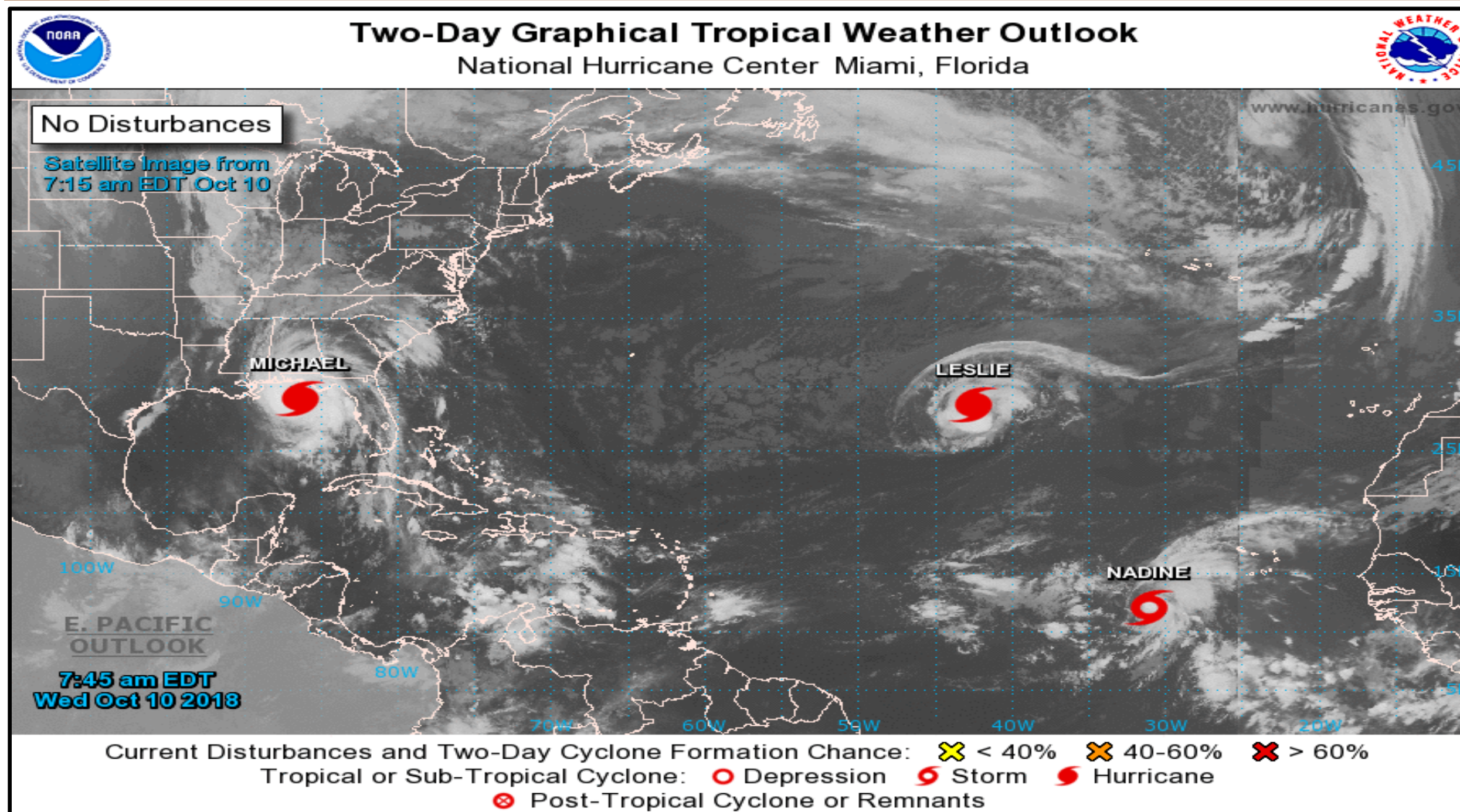
	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**Threat levels are based on FEMA Region 6 criteria.
State or local threat level criteria may differ.*
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

Tropical Weather Outlook – Atlantic/Gulf



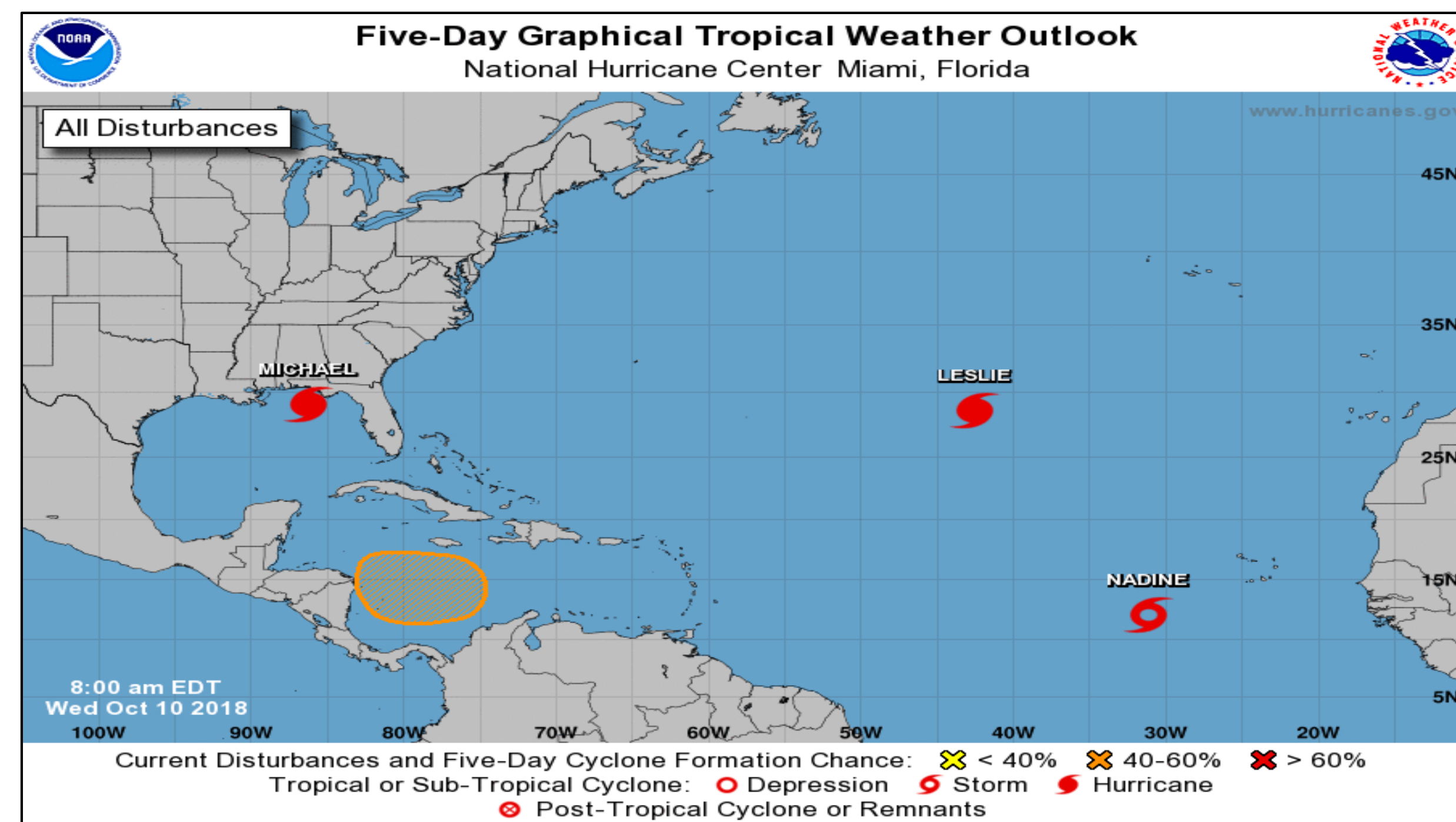
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See next slides for forecast information on Hurricane Michael, Hurricane Leslie and Tropical Storm Nadine. No significant impacts to FEMA 6.

An area of low pressure is expected to develop over the west-central Caribbean Sea in a few days. Some gradual development is expected over the weekend into early next week while the system moves slowly westward.

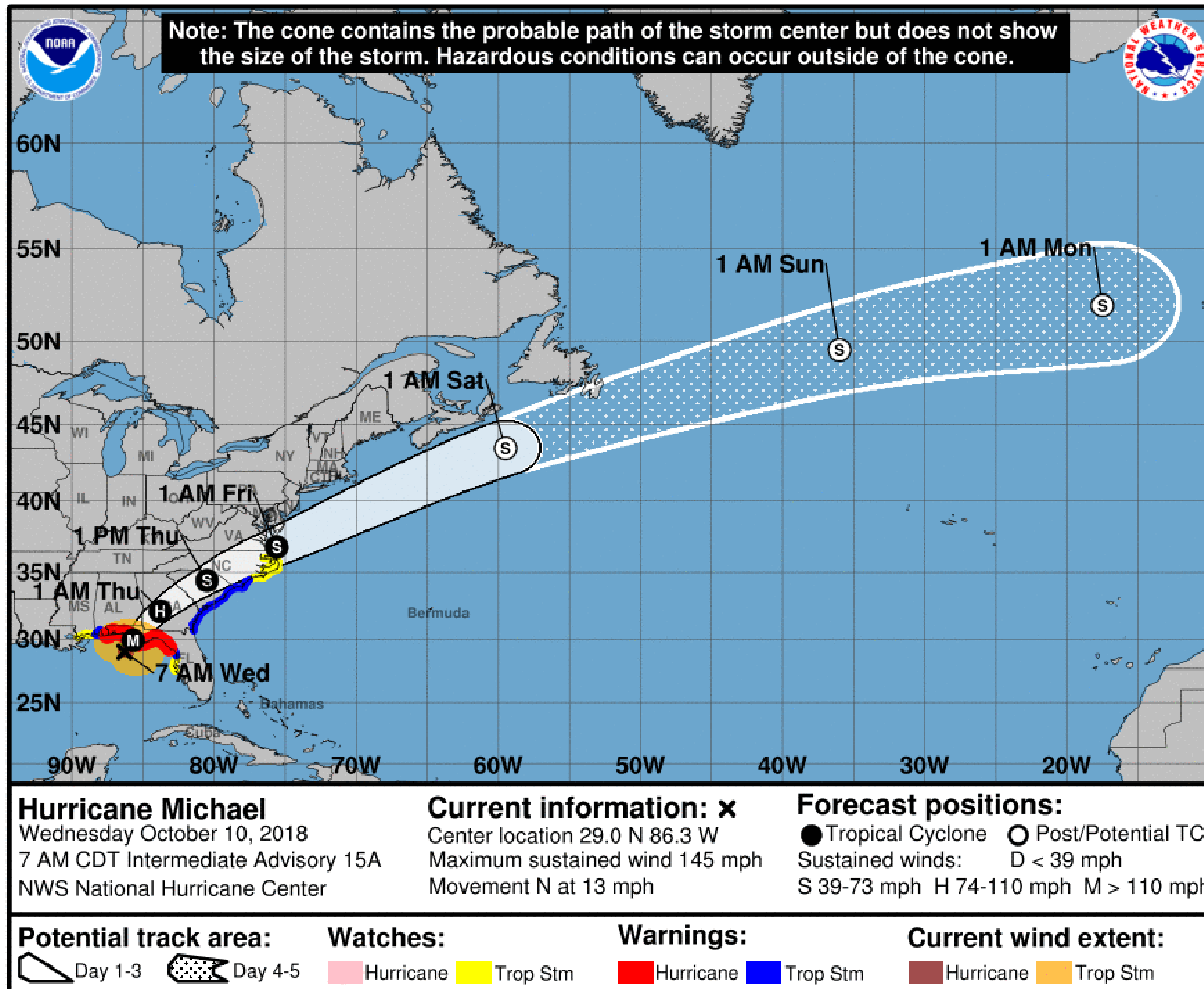
- * Formation chance through 48 hours...low...near 0 percent.
- * Formation chance through 5 days...medium...50 percent.



Hurricane Michael



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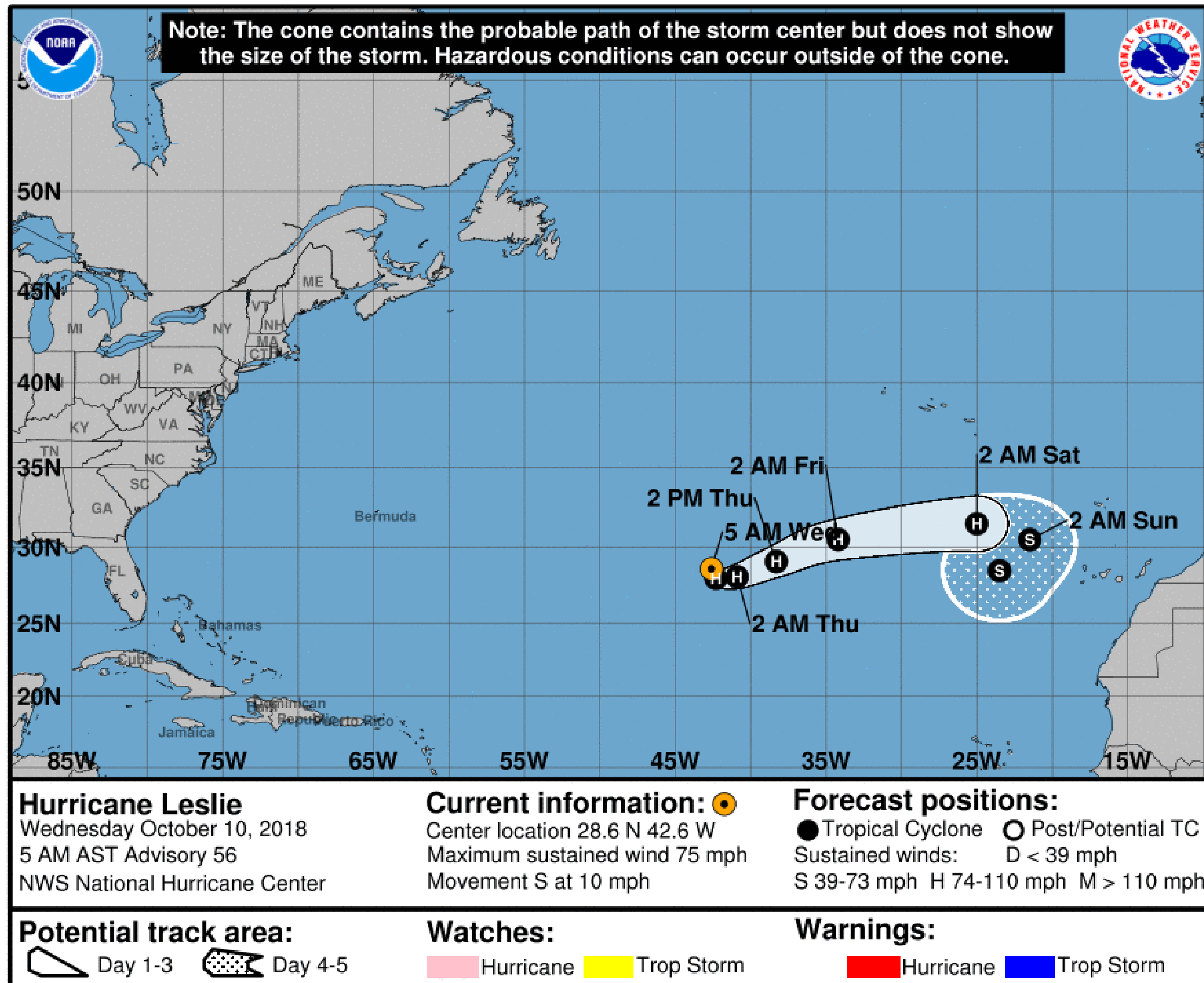
Michael is expected to make landfall today in the Florida Panhandle or Florida Big Bend area as a Category 4 hurricane. Weakening is expected as Michael moves northeastward across the southeastern United States tonight and Thursday, and then off the Mid-Atlantic coast on Friday.

No significant impacts to FEMA Region 6.

Hurricane Leslie



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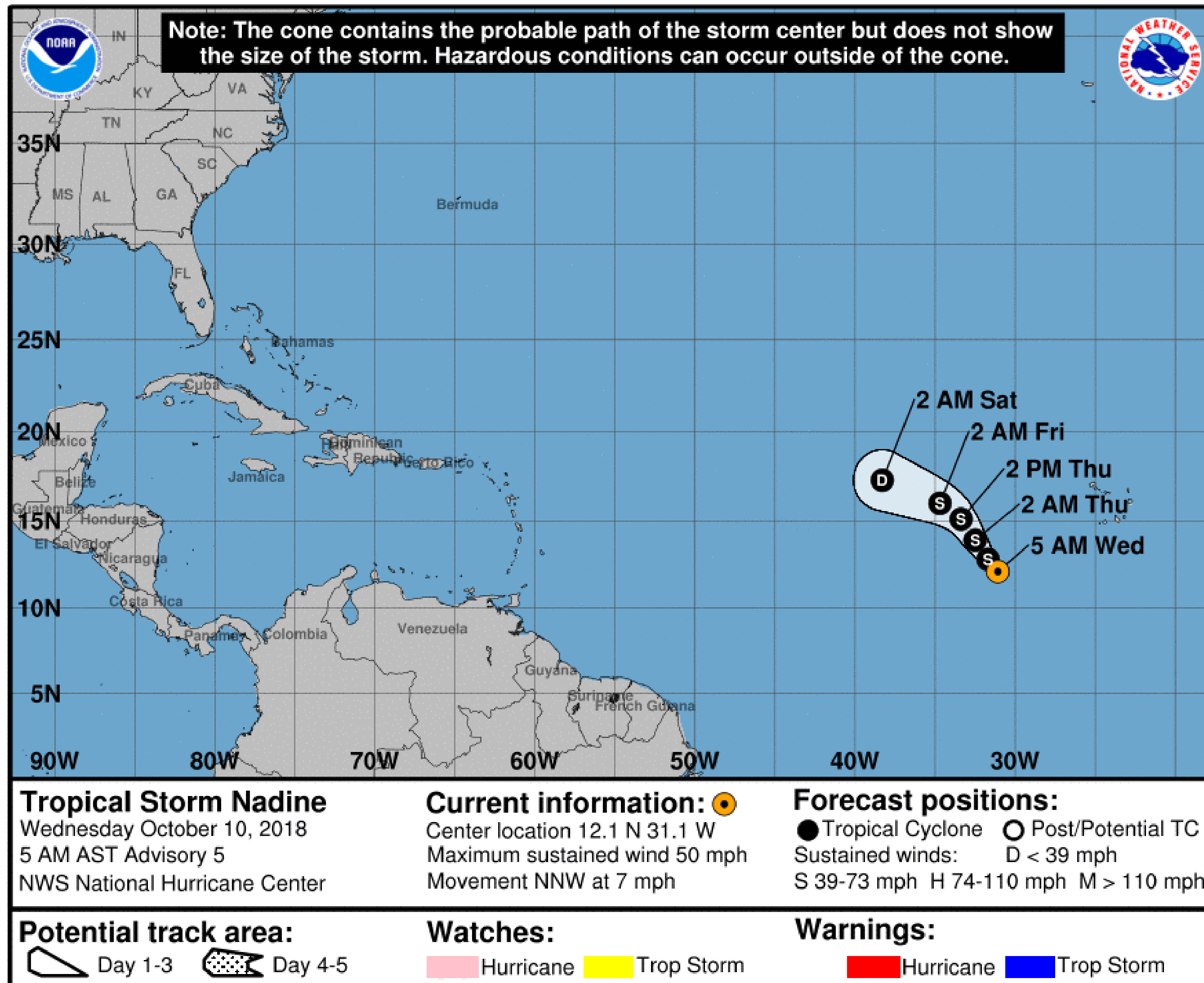
Leslie is forecast to move away from the
United States.

No impacts to FEMA Region 6.

Tropical Storm Nadine



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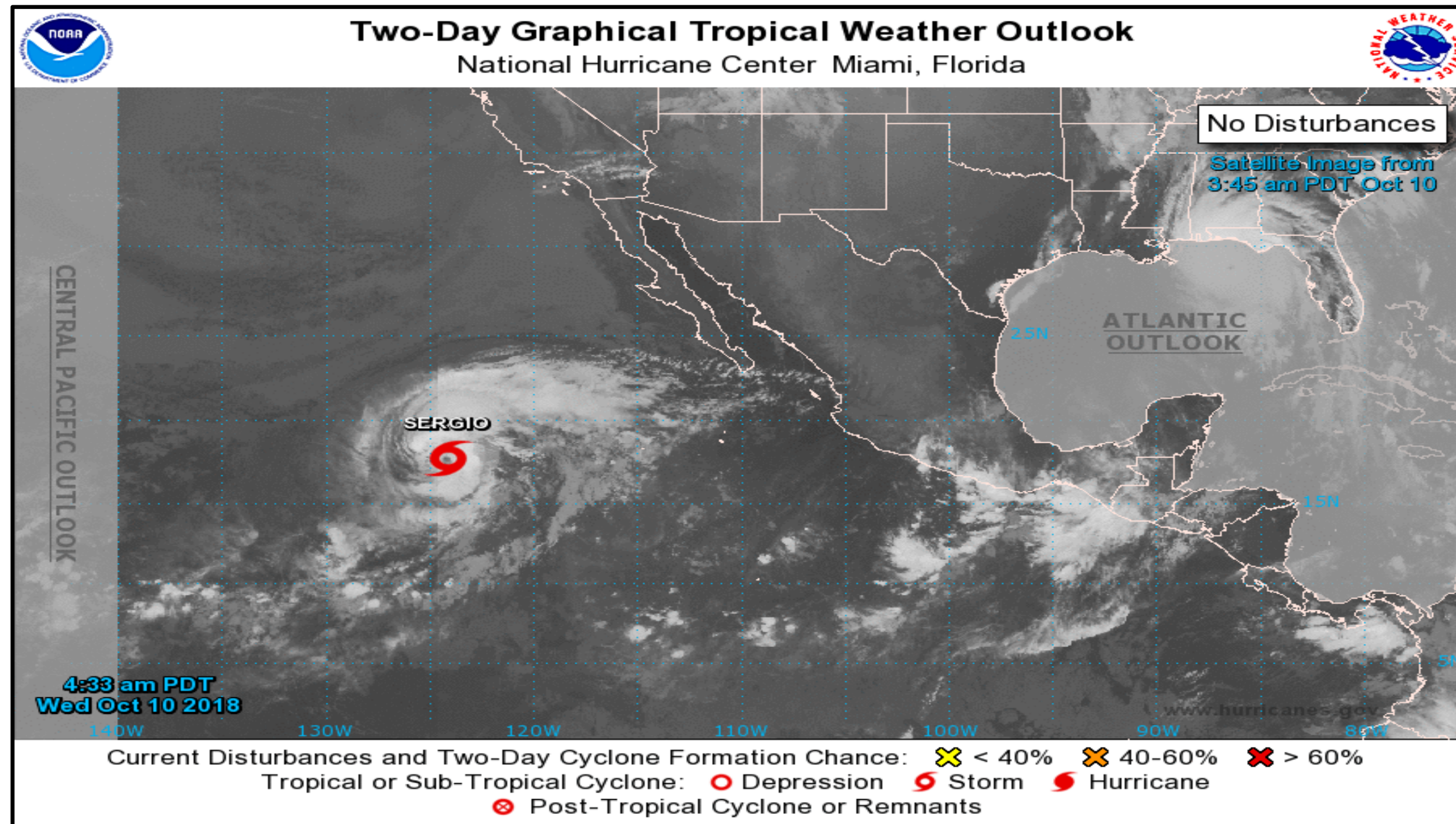
Nadine is forecast to move northwestward over the next 5 days and weaken.

No impacts to FEMA Region 6.

Tropical Weather Outlook – Eastern Pacific



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Sergio in the Eastern Pacific is forecast to move inland on Thursday across Mexico. The remnants of this system will bring increased moisture and a threat for heavy rain/flash flooding across southern NM into W TX, OK, and NW AR Friday through Sunday.

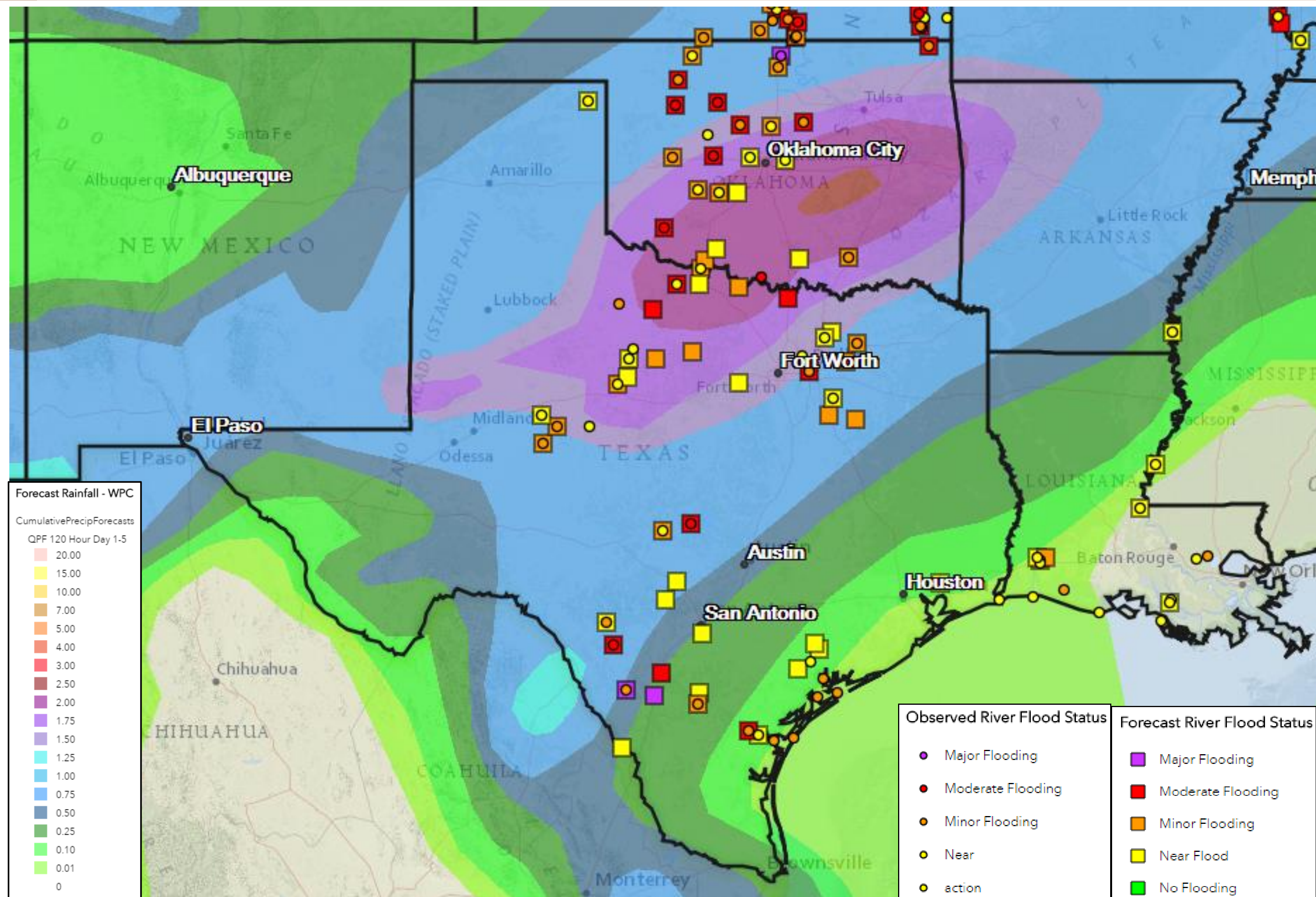


5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Moderate to major river flooding is ongoing or forecast along the Chickaskia River in N Oklahoma and the Canadian and Red River in W-central OK.

Moderate to major river flooding is also ongoing or forecast along the Nueces and Frio Rivers in South TX, and Llano River in central Texas.

Impacts are primarily to livestock, agriculture, roads, and recreation camps.

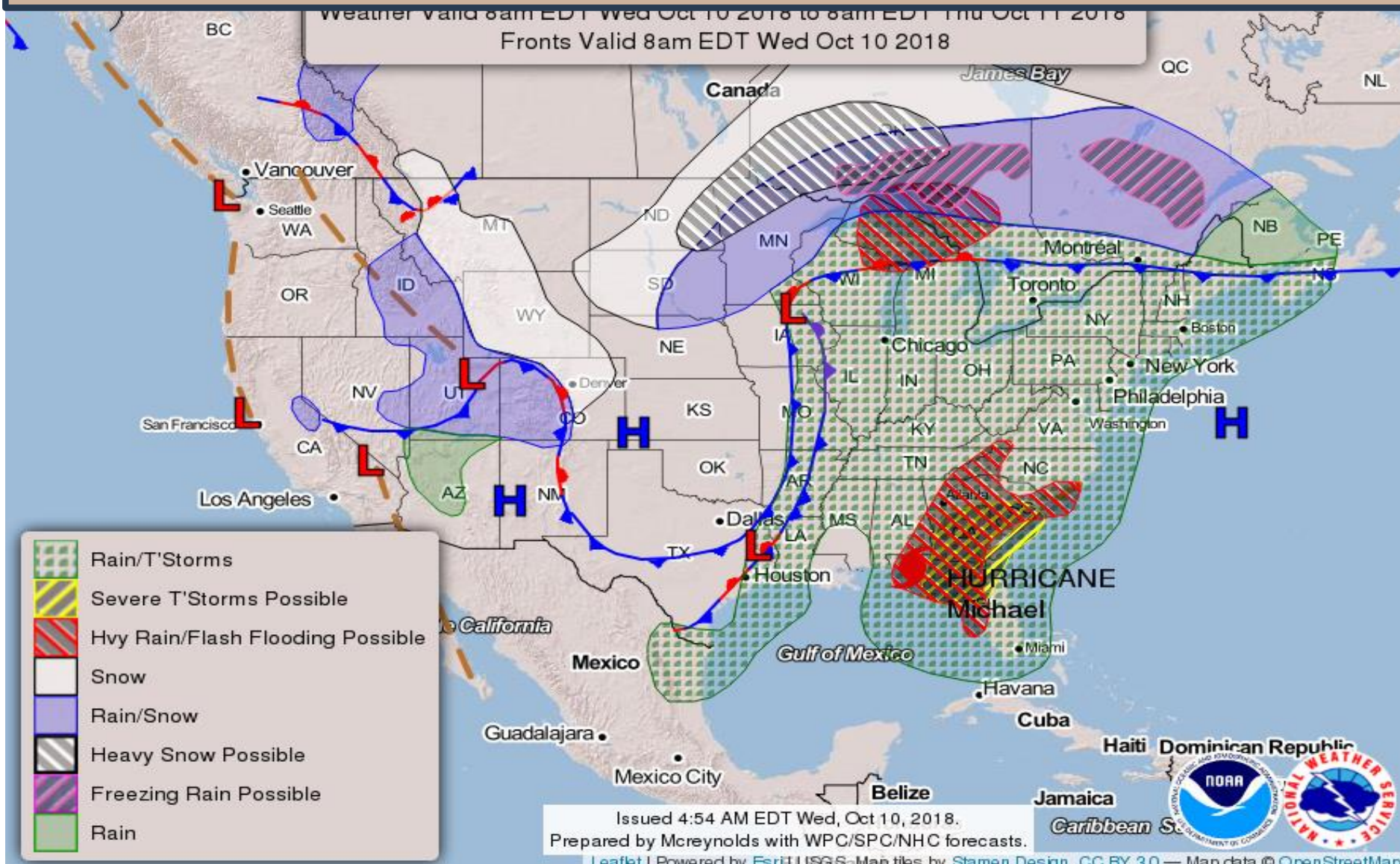
The remnants of Sergio are going to bring more rain across portions of N TX and OK. This additional rainfall could slow improvements along the already impacted rivers. Uncertainty remains in the exact timing, amount of rainfall and location in which it will fall.

Today's Weather

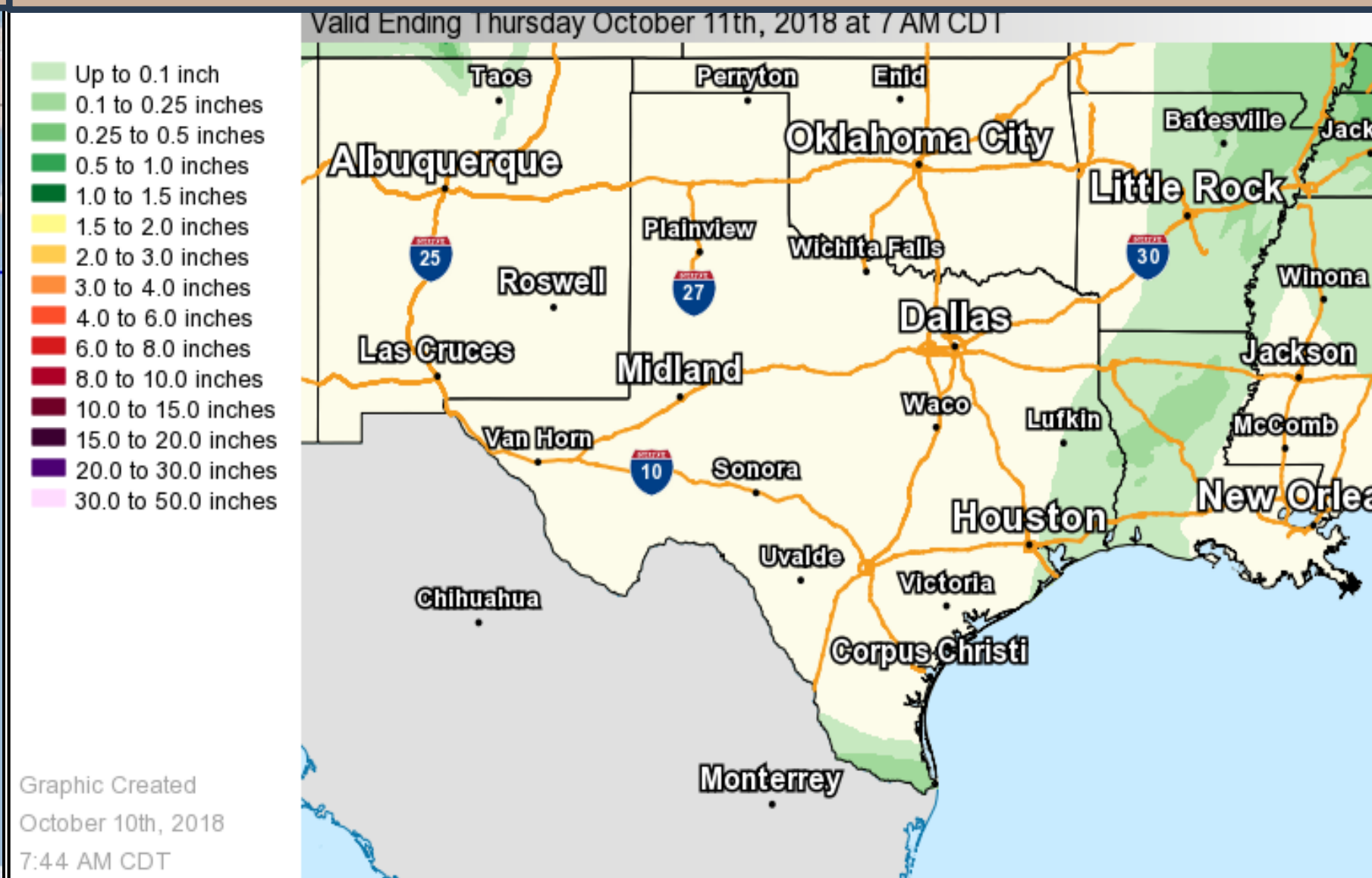


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Forecast Chart

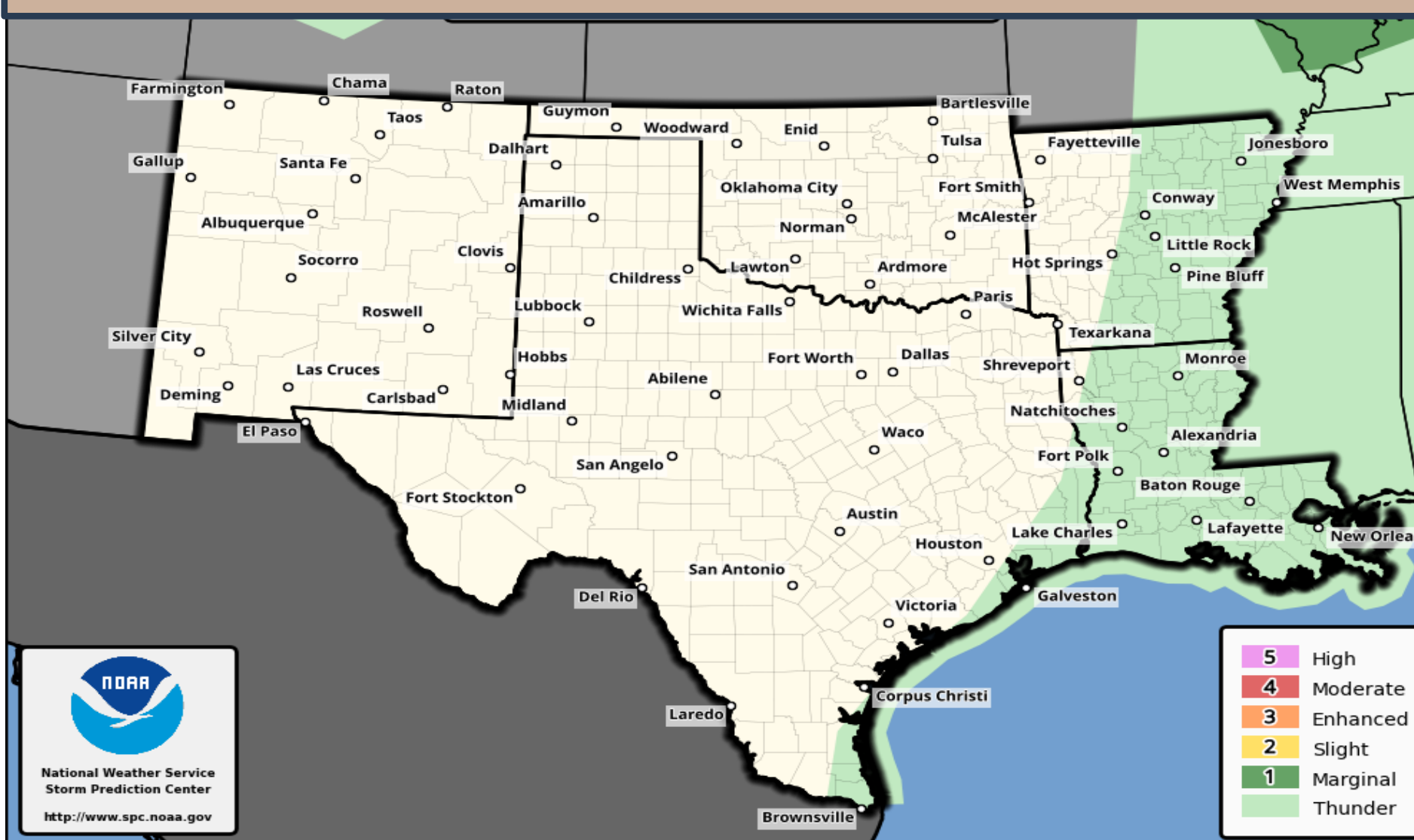


Forecast Rainfall



No significant weather impacts.

Severe Weather Outlook



Excessive Rainfall Outlook



Tomorrow's Weather

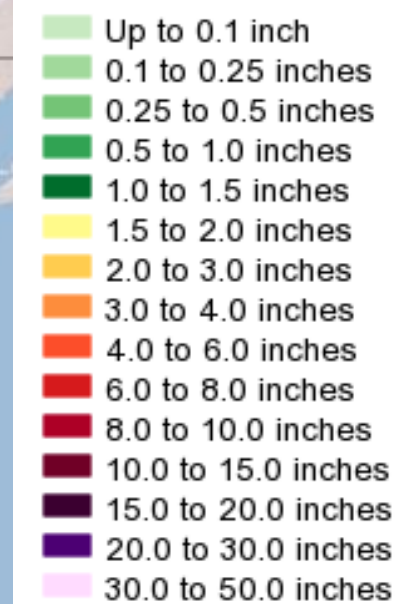
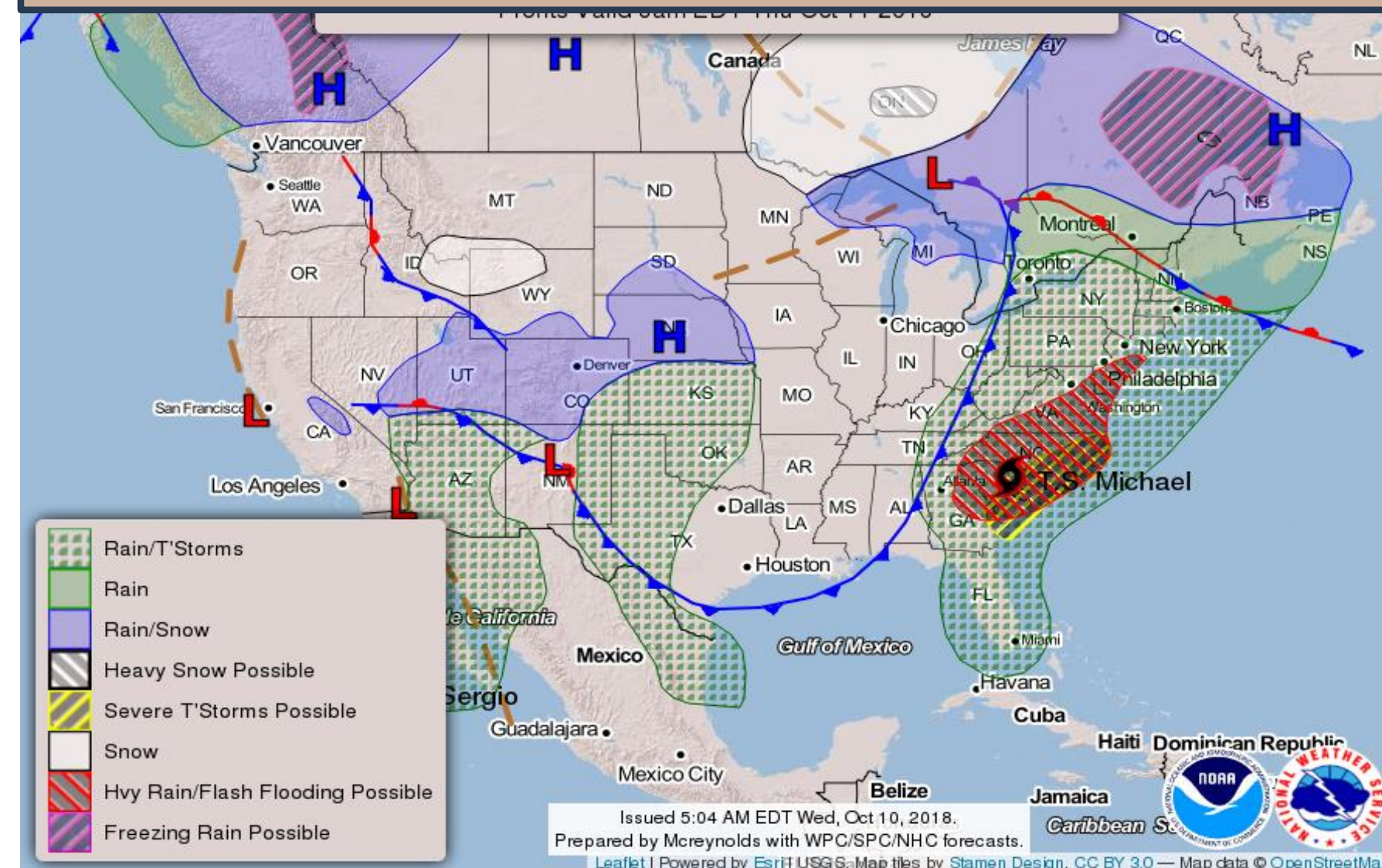


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Forecast Chart

Forecast Rainfall

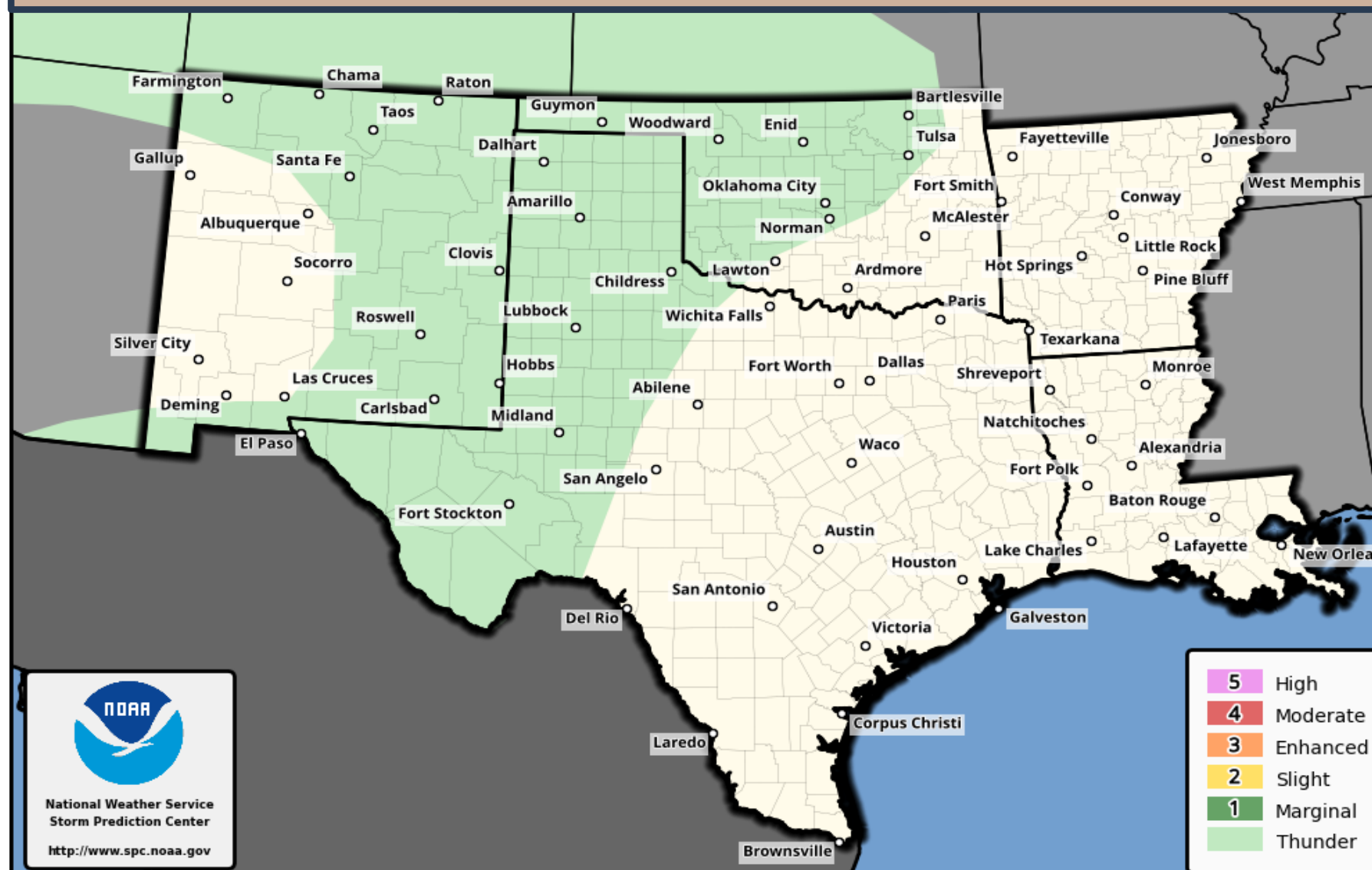
No significant weather impacts.



Graphic Created
October 10th, 2018
7:45 AM CDT

Severe Weather Outlook

Excessive Rainfall Outlook



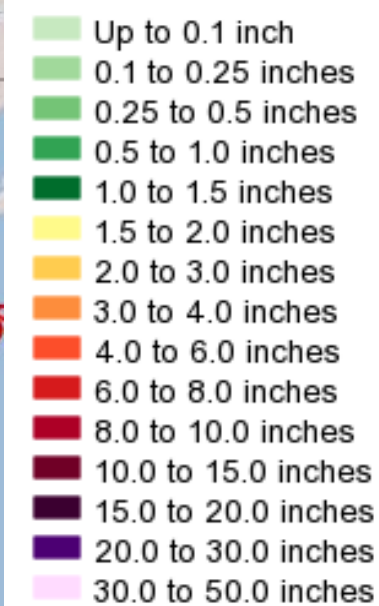
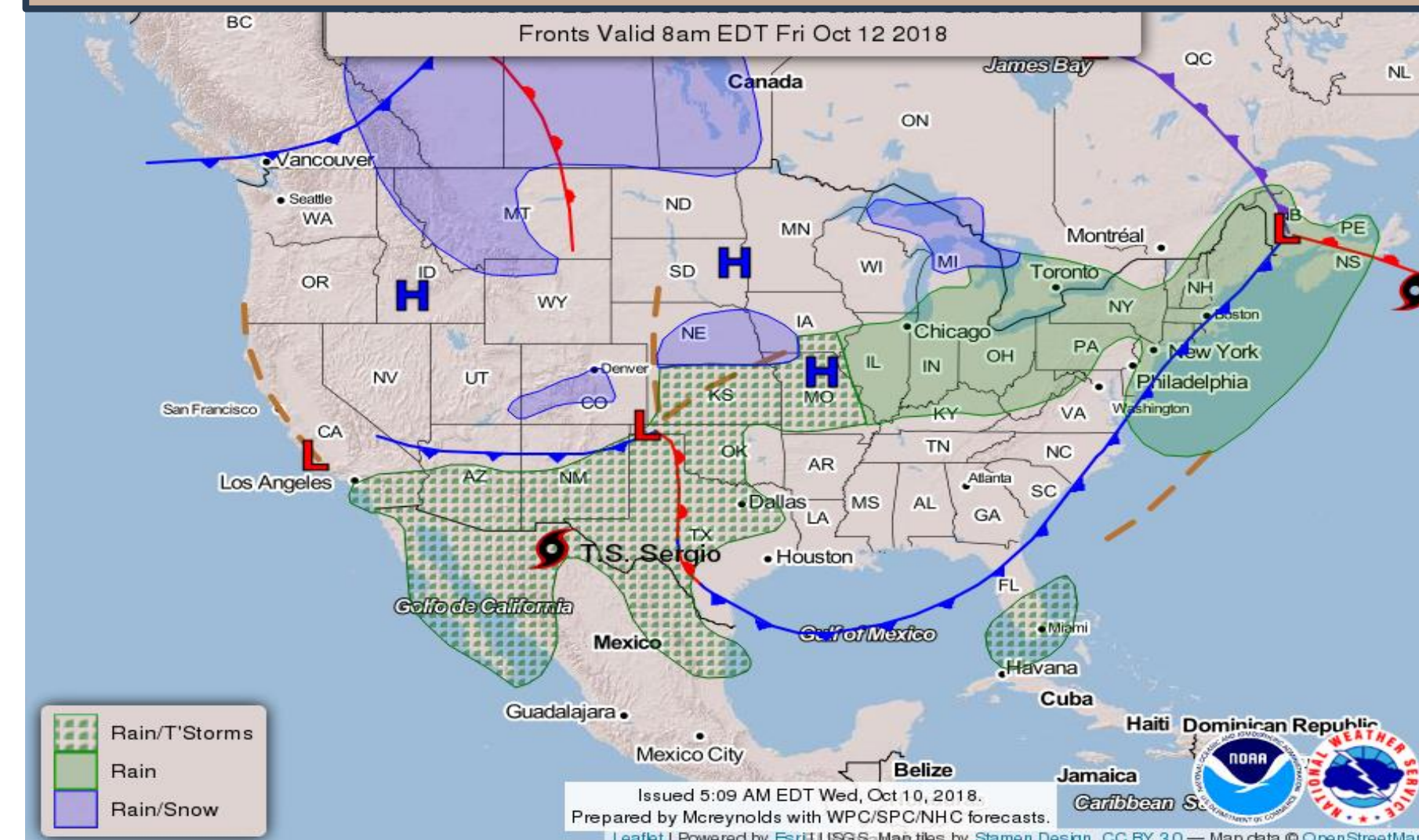
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October 10th, 2018
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Friday's Weather



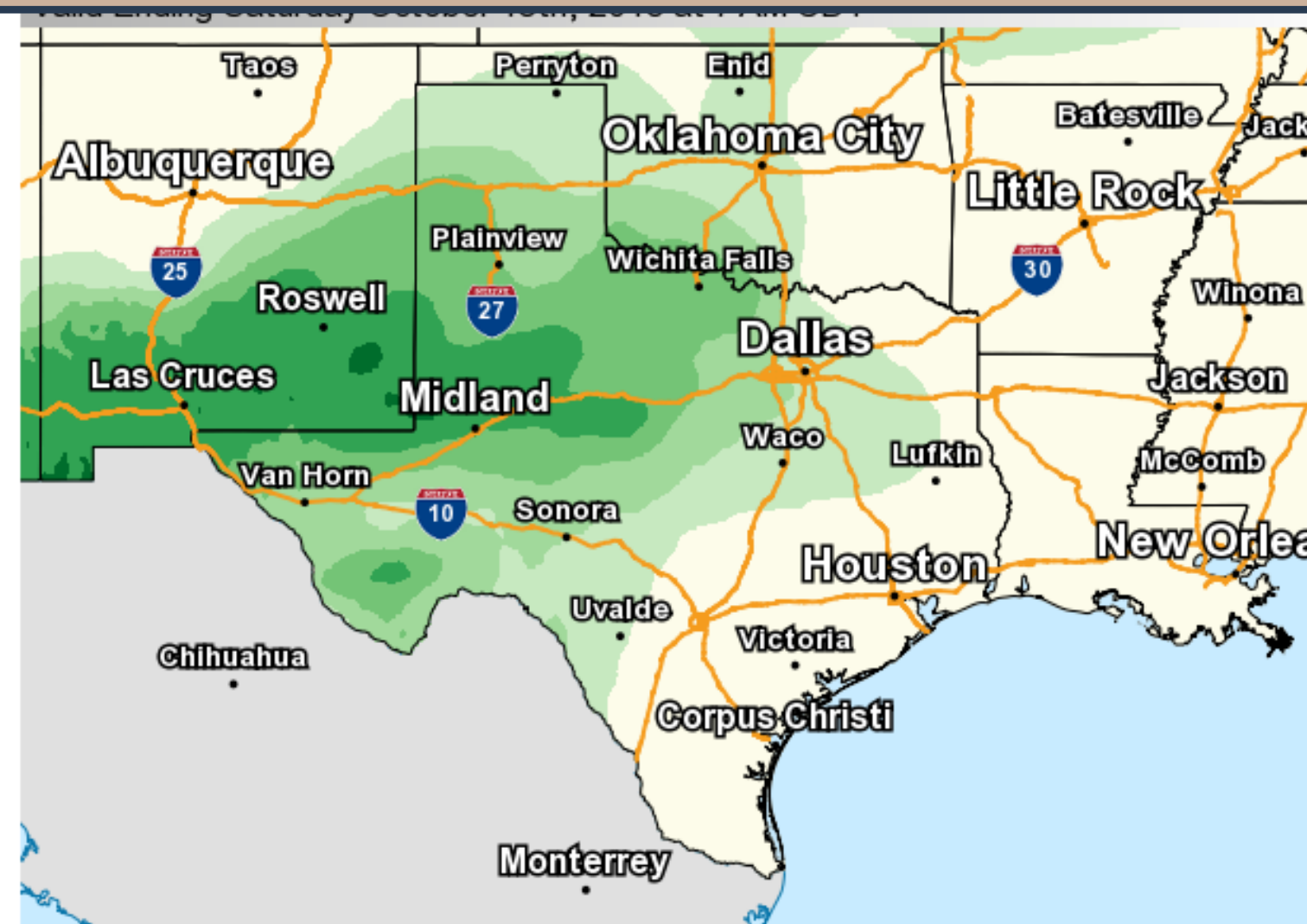
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Forecast Chart



Graphic Created
October 10th, 2018

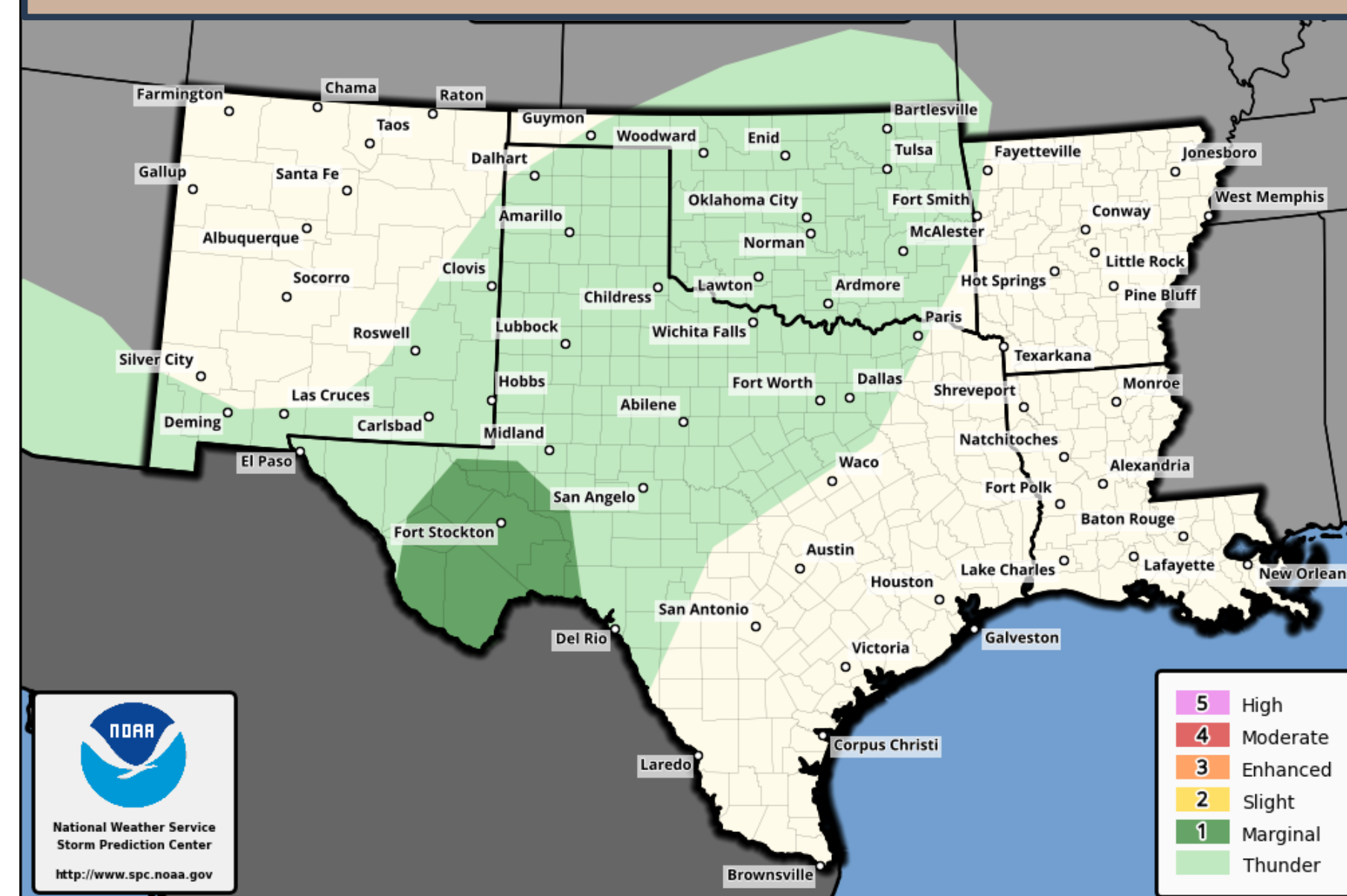
Forecast Rainfall



Isolated heavy rain/flash
flooding possible in southern
NM late Friday.

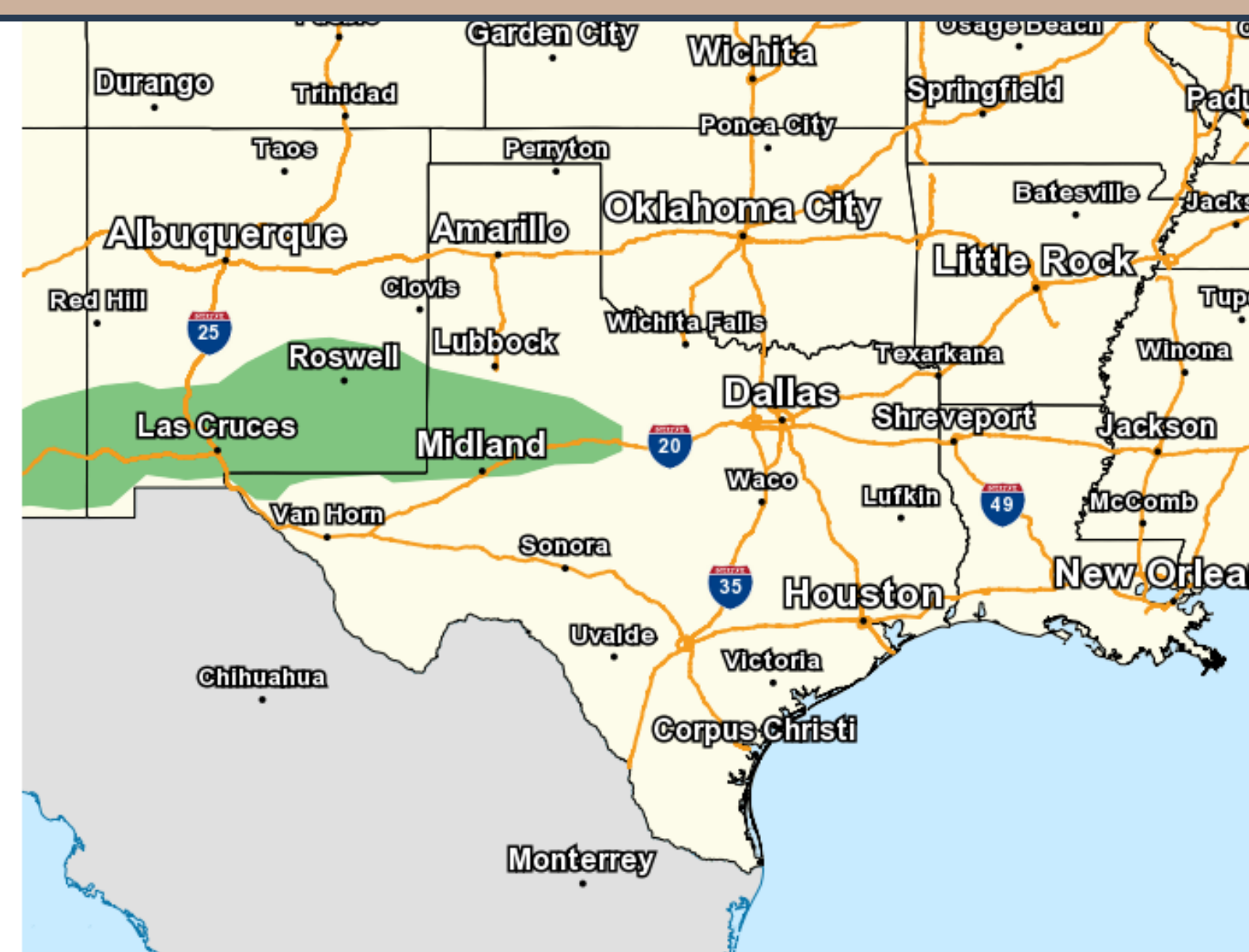
Isolated strong to severe
thunderstorms will be
possible over W TX on Friday.

Severe Weather Outlook



Graphic Created
October 10th, 2018
AM CDT

Excessive Rainfall Outlook

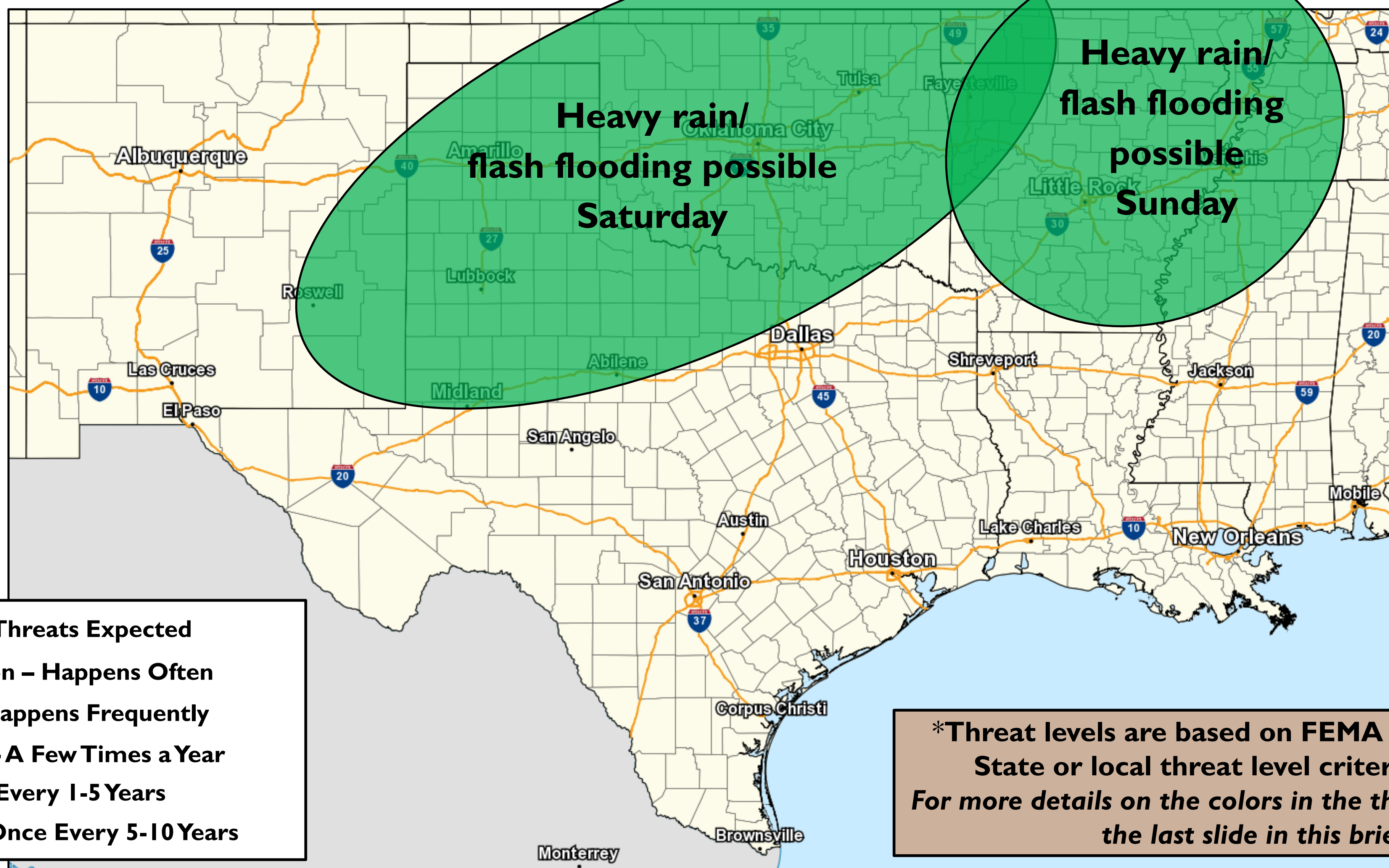


Days 4-5 Weather Hazards

Saturday - Sunday



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- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years

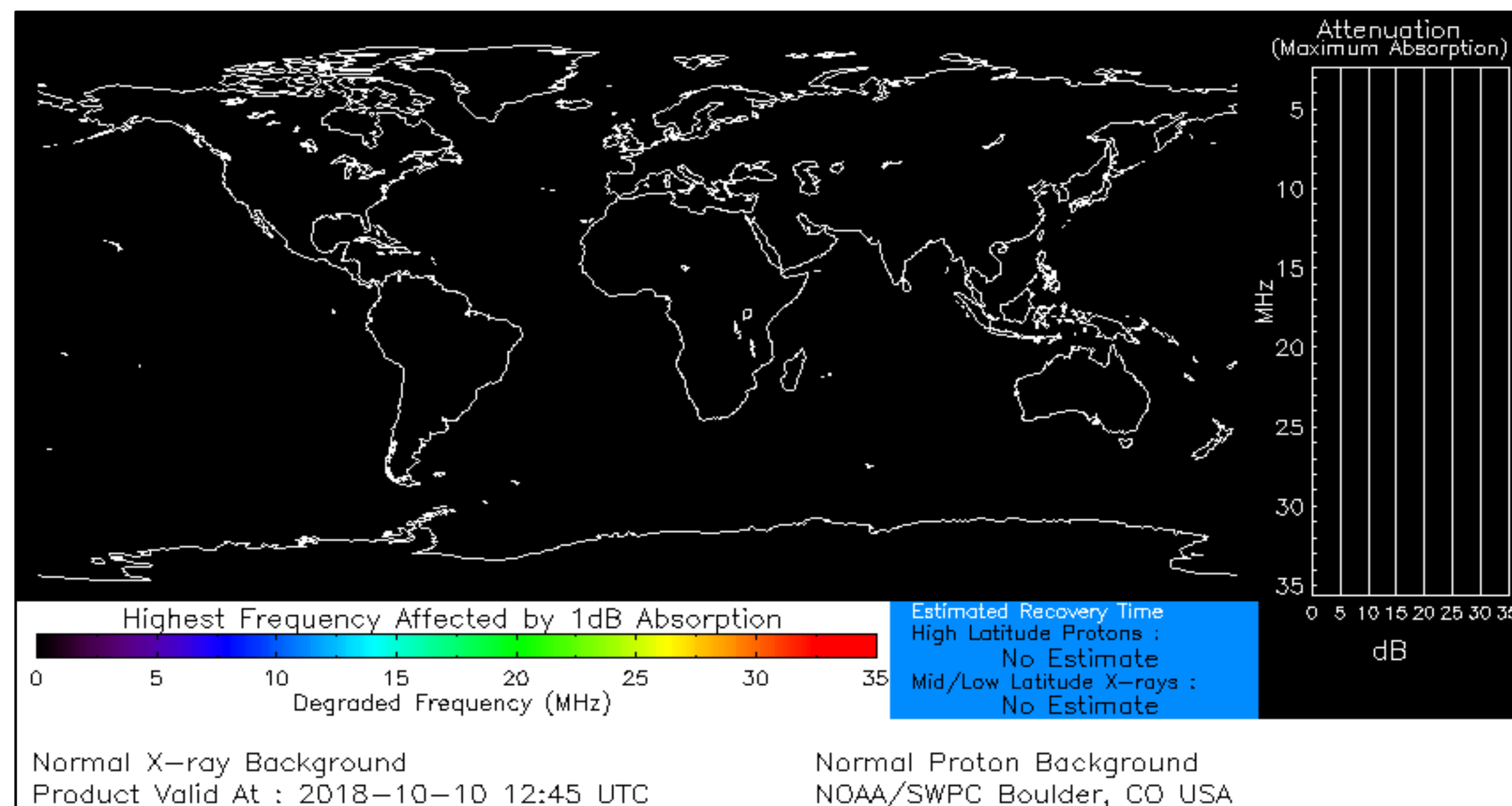
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Space Weather 3-Day Forecast



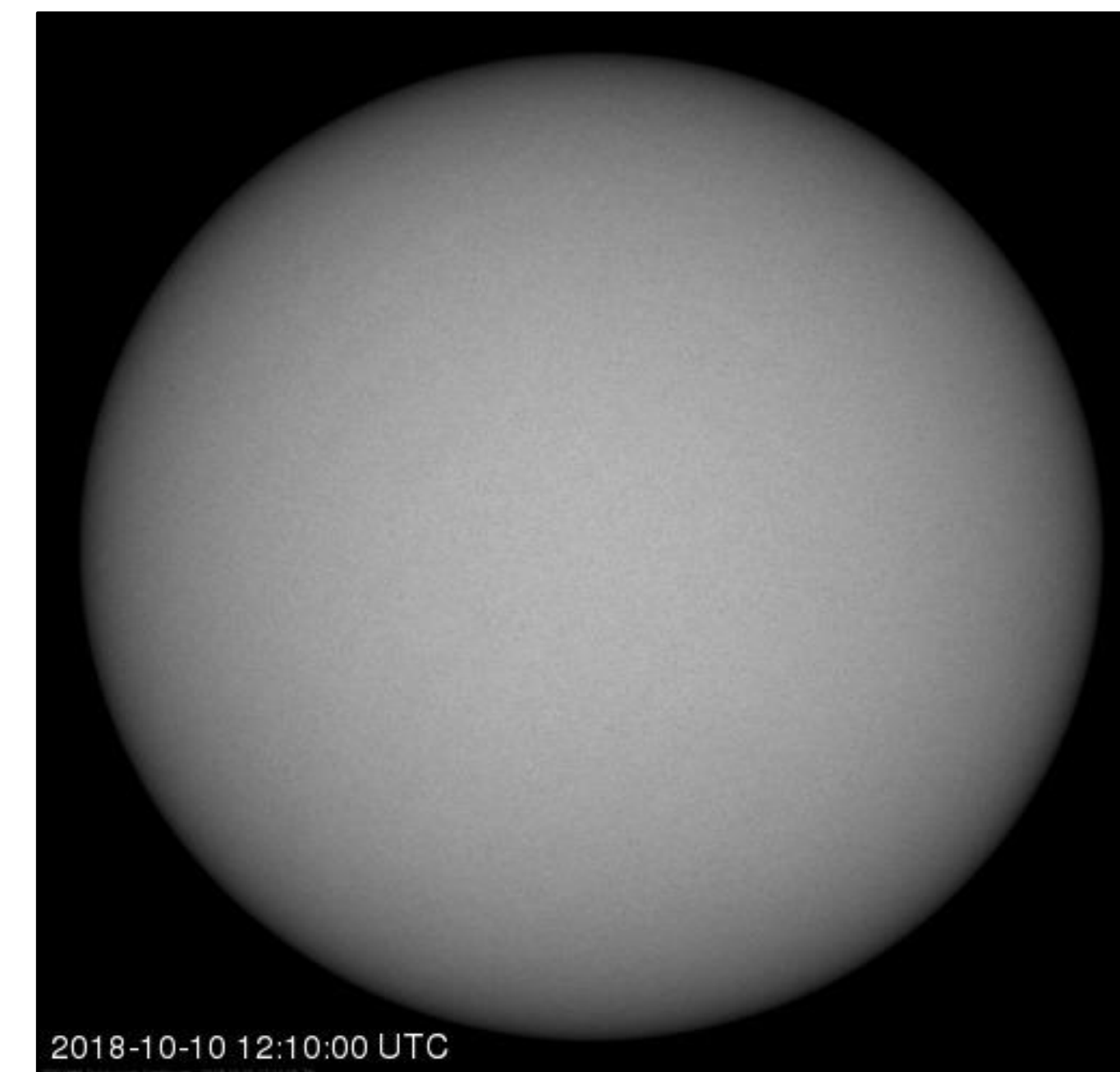
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	Wednesday	Thursday	Friday
Geomagnetic Storms	Quiet to Unsettled (Max Kp =3)	Quiet (Max Kp =2)	Quiet (Max Kp =2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov